



QUALITY	46S20	Wr. 1.0727
REFERENCE NORM HOT ROLLED STEEL PRODUCTS		ISO 683-4
REFERENCE NORM BRIGHT STEEL PRODUCTS		UNI EN 10277

CHEMICAL COMPOSITION (%)

C (max.)	Si (max.)	Mn (max.)	P (max.)	S	Pb
0,42 ÷ 0,50	0,40	0,70 ÷ 1,10	0,060	0,15 ÷ 0,25	

MECHANICAL PROPERTIES HOT ROLLED STEEL PRODUCTS (ISO 683-4)

Size (mm)	Rm (MPa)	Rp0,2 (MPa)	A5 (%) min.	KV -20°C (J) min.	HBW max.
5 ≤ t ≤ 10	590 ÷ 800				234
10 < t ≤ 16	590 ÷ 780				228
16 < t ≤ 40	590 ÷ 760				222
40 < t ≤ 63	580 ÷ 730				213
63 < t ≤ 100	560 ÷ 710				207

MECHANICAL PROPERTIES BRIGHT STEEL PRODUCTS (UNI EN 10277)

Size (mm)	(+SH) HOT ROLLED + PEELED		(+C) COLD DRAWN		
	Hardness (HBW) Max.	Rm (MPa)	Rp0,2 (MPa) Min.	Rm (MPa)	A5 (%) min.
5 ≤ t ≤ 10			570	740 ÷ 980	5
10 < t ≤ 16			470	690 ÷ 930	6
16 < t ≤ 40	222	590 ÷ 760	400	640 ÷ 880	7
40 < t ≤ 63	213	580 ÷ 730	380	610 ÷ 850	8
63 < t ≤ 100	207	560 ÷ 710	340	580 ÷ 820	8

Indicative values based on current regulations.